

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : Not known Confirmation No. Not known
(continuation of 08/994,799)
Applicant : Khandros et al.
Filed : October 23, 2003
TC/A.U. : Not known
Examiner : Not known

Docket No. : P12C2-US
Customer No. : 27521

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Listed on an attached Form PTO/SB/08A is information known to applicant(s).

A COPY OF EACH LISTED DOCUMENT IS NOT PROVIDED because a copy of each listed document is in the parent application US Serial No. 08/994,799. See 37 CFR § 1.98(d). The Examiner is requested to initial and return the attached Form PTO/SB/08A in accordance with MPEP §609. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

☒ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ☒ (1) It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d))
-- OR --
☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
☒ (3) It is being filed before the mail date of the first Office Action on the merits
-- OR --
☐ (4) It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114.

☐ 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits, or (4) the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, then:

- ☐ a statement as specified in §1.97(e) is provided below; **or**
☐ a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

☐ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

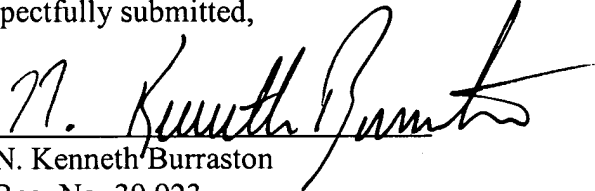
- A. a statement as specified in §1.97(e) is provided below; **and**
B. a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

Fee:

- ☒ No fee is due.
☐ A check in the amount of \$_____ for the above-identified fee(s) is enclosed.

Respectfully submitted,

Date: October 23, 2003

By 
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete If Known</i>	
				Application Number	Not known (continuation of 08/994,799)
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				First Named Inventor	Khandros et al.
				Group Art Unit	Not known
				Examiner Name	Not known
Sheet	1	of	6	Attorney Docket No.	P12C2-US

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
	1.	3379937		Shepherd et al.	4/23/1968	
	2.	3702982		Kelley et al.	11/14/1972	
	3.	3781683		Freed	12/1/1973	
	4.	3849728		Evans	11/19/1974	
	5.	3963986		Morton et al.	6/15/1976	
	6.	4032058		Riseman	6/28/1977	
	7.	4087747		Deegen et al.	5/2/1978	
	8.	4357062		Everett	11/2/1982	
	9.	4508405		Damon et al	4/2/1985	
	10.	4522893		Bohlen et al	6/11/1985	
	11.	4528500		Lightbody et al	7/9/1985	
	12.	4553192		Babuka	11/1985	
	13.	4565314		Scholz	1/21/1986	
	14.	4636722		Ardezzone	1/1987	
	15.	4724383		Hart	2/9/1988	
	16.	4740410		Muller et al	4/26/1988	
	17.	4811081		Lyden	3/7/1989	
	18.	4837622		Whann et al.	6/6/1989	
	19.	4899099		Mendenhall et al.	2/6/1990	
	20.	4899106		Ogura	2/6/1990	
	21.	4918032		Jain et al	4/17/1990	
	22.	4953834		Ebert et al	9/4/1990	
	23.	4965865		Trenary	10/1990	
	24.	4972580		Nakamura	11/27/1990	
	25.	4983907		Crowley	1/8/1991	

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

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Sheet	2	of	6	Attorney Docket No.	P12C2-US

	26.	4998885		Beaman	3/12/1991	
	27.	5172050		Swapp	12/15/1992	
	28.	5175491		Ewers	12/29/1992	
	29.	5187020		Kwon et al.	2/16/1993	
	30.	5191708		Kasukabe et al.	3/9/1993	
	31.	5210939		Mallik et al.	5/1993	
	32.	5225777		Bross et al.	7/1993	
	33.	5236118		Bower et al	8/17/1993	
	34.	5276395		Malloy	1/4/1994	
	35.	5278442		Prinz et al	1/11/1994	
	36.	5311405		Tribbey et al.	5/1994	
	37.	5312456		Reed et al	5/17/1994	
	38.	5373627		Grebe	12/20/1994	
	39.	5393375		MacDonald et al	2/28/1995	
	40.	5395253		Crumly	3/7/1995	
	41.	5418471		Kardos	5/23/1995	
	42.	5422574		Kister	6/6/1995	
	43.	5440231		Sugai	8/1995	
	44.	5473510		Dozier II	12/5/1995	
	45.	5476211		Khandros	12/1995	
	46.	5476818		Yanof	12/1995	
	47.	5477160		Love	12/19/1995	
	48.	5491426		Small	2/13/1996	
	49.	5495667		Farnsworth	3/1996	
	50.	5497079		Yamada et al.	3/5/1996	

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Sheet	3	of	6	Attorney Docket No.	P12C2-US

	51.	5534784		Lum et al.	7/1996	
	52.	5555422		Nakano	9/1996	
	53.	5569272		Reed et al.	10/29/1996	
	54.	5576630		Fujita	11/1996	
	55.	5593322		Swamy et al.	1/14/1997	
	56.	5601740		Eldridge et al.	2/11/1997	
	57.	5629631		Perry et al.	5/13/1997	
	58.	5657207		Schreiber et al.	8/12/1997	
	59.	5691650		Sugai	11/25/1997	
	60.	5736850		Legal	4/7/1998	
	61.	5741144		Elco et al.	4/21/1998	
	62.	5772451		Dozier, II et al.	6/30/1998	
	63.	5786701		Pedder	7/1998	
	64.	5806181		Khandros et al.	9/15/1998	
	65.	5821763		Beaman et al.	10/13/1998	
	66.	5829128		Eldridge et al.	11/3/1998	
	67.	5832601		Eldridge et al.	11/10/1998	
	68.	5864946		Eldridge et al.	2/2/1999	
	69.	5914614		Beaman et al.	6/22/1999	
	70.	5917707		Khandros et al.	6/29/1999	

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Sheet	4	of	6	Attorney Docket No.	P12C2-US

	71.	5920200		Pendse et al.	7/6/1999	
	72.	5923178		Higgins et al.	7/13/1999	
	73.	5974662		Eldridge et al.	11/2/1999	
	74.	5994152		Khandros et al.	11/30/1999	
	75.	5998864		Khandros et al.	12/7/1999	
	76.	6008543		Iwabuchi	12/28/1999	
	77.	6029344		Khandros et al.	2/29/2000	
	78.	6050829		Eldridge et al.	4/18/2000	
	79.	6053395		Sasaki	4/25/2000	
	80.	6064213		Khandros et al.	5/16/2000	
	81.	6110823		Eldridge et al.	8/29/2000	
	82.	6133744		Yojima et al.	10/17/2000	
	83.	6174744	B1	Watanabe et al.	1/16/2001	
	84.	6184053	B1	Eldridge et al.	2/6/2001	
	85.	6229324	B1	Akram et al.	5/8/2001	

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant	Publication Date	Relevant Portions	T ⁶
		Office ³	Number ²	Kind Code ⁵				
	86.	DE	19610123		Haueis et al.	10/23/1997		
	87.	DE	42 37 591	A1	Mania	5/11/1994		
	88.	EP	061 615	A2	IBM	3/9/1982		
	89.	EP	369 112	A1	Mania	7/13/1989		
	90.	EP	460822		Frankeny et al.	12/11/1991		
	91.	JP	2-144869		Fujita	2/1990		
	92.	JP	54-146581		Fujii	11/15/1979		
	93.	JP	62-197073			12/15/1987		
	94.	JP	6265575		Masamitsu et al.	9/22/1994		
	95.	JP	63-268285		Tomiyasu	11/4/1988		
	96.	JP	6-342600		Yamada et al.	12/13/1994		x
	97.	JP	7-94558		Terui et al.	4/7/1995		x
	98.	JP	8-15318		Suzuki et al.	1/19/1996		x
	99.	WO	91/12706		Leedy	8/22/1991		
	100.	WO	96/15458		FormFactor	5/23/1996		
	101.	WO	96/38858		Khandros et al.	12/5/1996		
	102.	WO	97/43653		Khandros et al.	11/20/1997		
	103.	WO	97/43656		Khandros et al.	11/20/1997		
	104.	WO	98/21597		Charmant et al.	5/22/1998		

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Sheet	6	of	6	Attorney Docket No.	P12C2-US

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	105.	"High Density Probe Assembly," 2244 Research Disclosure, No. 333 (Emsworth GB January 1992)	
	106.	BURBANK et al., "Automatic Test Equipment Translator Board", IBM Technical Disclosure Bulletin, Vol.21, No.4, pp.1404-1405, September 1997.	
	107.	HUMENIK, "Flexible Probe Contact", IBM Technical Brochure, Vol. 22, No. 6, p.2286, November 1979.	
	108.	RENZ, U., "Multipoint Test Probe for Printed Cards", IBM Technical Disclosure Bulletin, Vol.17, No.2, pp.459-460, July 1974.	
	109.	RENZ, U., "Test Probe Contact Grid Translator Board", IBM Technical Disclosure Bulletin, Vol.21, No.8, pp.3235-3236, January 1979.	
	110.	SOEJIMA, "New Probe Microstructure for Full-Wafer Contact-Probe Cards", 1999 IEEE, 1999 Electronic Components and Technology Conference, 6 pages (1999).	

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